

Title (en)

COMBINED HEADLAMP AND CLIMATE CONTROL SENSOR

Title (de)

SCHEINWERFER KOMBINIERT MIT EINEM KLIMAREGELUNGSSENSOR

Title (fr)

CAPTEUR DE COMMANDE COMBINEE DES PHARES ET DES CONDITIONS CLIMATIQUES AMBIANTES

Publication

EP 0693175 A1 19960124 (EN)

Application

EP 94912963 A 19940407

Priority

- US 9403806 W 19940407
- US 4386893 A 19930407

Abstract (en)

[origin: WO9423277A1] A combined ambient light magnitude and light source direction sensor controls the headlamps and cabin climate of a vehicle. The combined unit employs a photodiode (33) having a predetermined spectral response and a diffuser (36) which also has a predetermined spectral response, the spectral responses being combined to achieve an overall spectral response which corresponds to that of the human eye. With this arrangement, the headlamps of a motor vehicle are turned on and off under different ambient light conditions, in a manner which corresponds to the perception of the driver. In addition, a light modulator (37) provides the combined unit with a sensitivity to the angular location of the sun with respect to the vehicle in which the unit is installed. Such angular sensitivity facilitates in determining the portion of the interior of the vehicle undergoing thermal loading by the sun, and facilitates a corresponding adjustment of the climate control system.

IPC 1-7

G01J 3/50

IPC 8 full level

B60H 1/00 (2006.01); **B60Q 1/14** (2006.01); **G01J 1/42** (2006.01); **G01J 1/04** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

WO 9423277 A1 19941013; DE 69425737 D1 20001005; DE 69425737 T2 20010503; EP 0693175 A1 19960124; EP 0693175 A4 19970917; EP 0693175 B1 20000830; US 5416318 A 19950516

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